

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Kazumi YAMAMOTO, et al.

SERIAL NO: New Application

FILED: HEREWITH

FOR: 4-QUINOLINOL DERIVATIVES AND FUNGICIDES CONTAINING THE SAME AS AN ACTIVE  
INGREDIENT USED FOR AGRICULTURE AND HORTICULTURE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. The references were cited in the parent Application Serial No. 09/424,257, where required, as were either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 233763US0CONT		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Kazumi YAMAMOTO, et al.			
FILING DATE Herewith				GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
AA	5,190,952	03/02/93	N. MINOWA, et al.				
AB	5,391,553	02/95	Shutske				
AC	4,168,311	09/79	Studeneer				
AD	3,636,216	01/72	Baron				
AE	5,194,617	03/93	Minowa				
AF							
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AN							
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
AO	3-128355	05/31/91	JAPAN (English Abstract only and w/corr. US 5,190,952 and EP 0 407 192)				
AP	0 407 192	01/09/91	EUROPE				
AQ	1-246263	10/02/89	JAPAN (English Abstract only and w/corr. EP 0 326 330)				
AR	0 326 330	08/02/89	EUROPE				
AS	1-246264	10/02/89	JAPAN (corr. EP 326 328)				
AT	0 326 328	08/02/89	EUROPE				
AU	1-246266	10/02/89	JAPAN (corr. EP 0 326 331)				
AV	0 326 331	08/02/89	EUROPE				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
AW	C.C. PRICE, et al., Organic Synthesis Collective, Vol. 3, pps. 272-275, "4,7-DICHLOROQUINOLINE," 1995						
AX	C.R. HAUSER, et al., Journal of American Chemical Society, Vol. 70, pps. 2402-2404, "REACTIONS OF $\beta$ -KETO ESTERS WITH AROMATIC AMINES. SYNTHESIS OF 2- AND 4-HYDROXYQUINOLINE DERIVATIVES," 1998						
AY	N. MINOWA, et al., Biosci. Biotech. Biochem., Vol. 60, N. 9, pps. 1510-1512, "NEW INSECTICIDAL 4-ACETOXY-2-ALKENYLQUINOLINES," 1996						
AZ	N. MINOWA, et al., Biosci. Biotech. Biochem., Vol. 61, No. 7, pps. 1213-1215, "SYNTHESIS AND INSECTICIDAL ACTIVITY OF NEW 2- AND 6-SUBSTITUTED 4-ACETOXYQUINOLINES," 1997				<input type="checkbox"/> Additional References sheet(s) attached		
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>233763US0CONT</b>		SERIAL NO. <b>New Application</b>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Kazumi YAMAMOTO, et al.</b>			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                      NO		
	AO	5-202032	08/10/93	JAPAN (English Abstract Only)			
	AP	5-271222	10/19/93	JAPAN (English Abstract Only)			
	AQ	7-285938	10/31/95	JAPAN (English Abstract only and w/corr. EP 669 320)			
	AR	0 669 320	08/30/95	EUROPE			
	AS	09309879	12/97	JP (Tanaka)			
	AT	9636608	11/96	WO (Tanaka)			
	AU	41020094	11/63	JP (Kano)			
	AV	JP 09 309879 A	12/02/97	JAPAN (English Abstract Only)			
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	Ebeid MY et al. Egypt. J. Pharm. Sci. (1991), 32(3-4), 653-62.					
	AX	Chung KH et al. Han'guk Nonghwa Hahoechi (1991), 34(1), 43-8.					
	AY	Nasr M and Burckhalter JH. J. Heterocycl. Chem. (1979), 16(3), 497-500.					
	AZ	Chudgar RJ and Trivedi KN. J. Indian Chem. Soc. (1972), 49(5), 513-18.				<input type="checkbox"/> Additional References sheet(s) attached	
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	AO	EP 0 374 765 A	06/27/90	EUROPEAN				
	AP	DE 23 61 438 A	06/26/75	GERMANY				
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	AR							
	AS							
	AT							
	AU							
	AV							
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>								
	AW	Gyul'budagyan LV et al. Khim. Geterotsikl. Soedin. (1970), (7), 966-8.						
	AX	Gyul'budagyan LV et al. Uch. Zap., Erevan. gos. Univ. (1967), No. 2, 65-71.						
	AY	Chung et al. Han'guk Nonghwa Hakhoechi (1990), 33(30), 264-7.						
	AZ	J. Indian Chem. Soc. (JICSAH, 00194522); 1982; Vol. 59 (3); pp. 367-9 (English Abstract Only)				<input type="checkbox"/> Additional References sheet(s) attached		
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